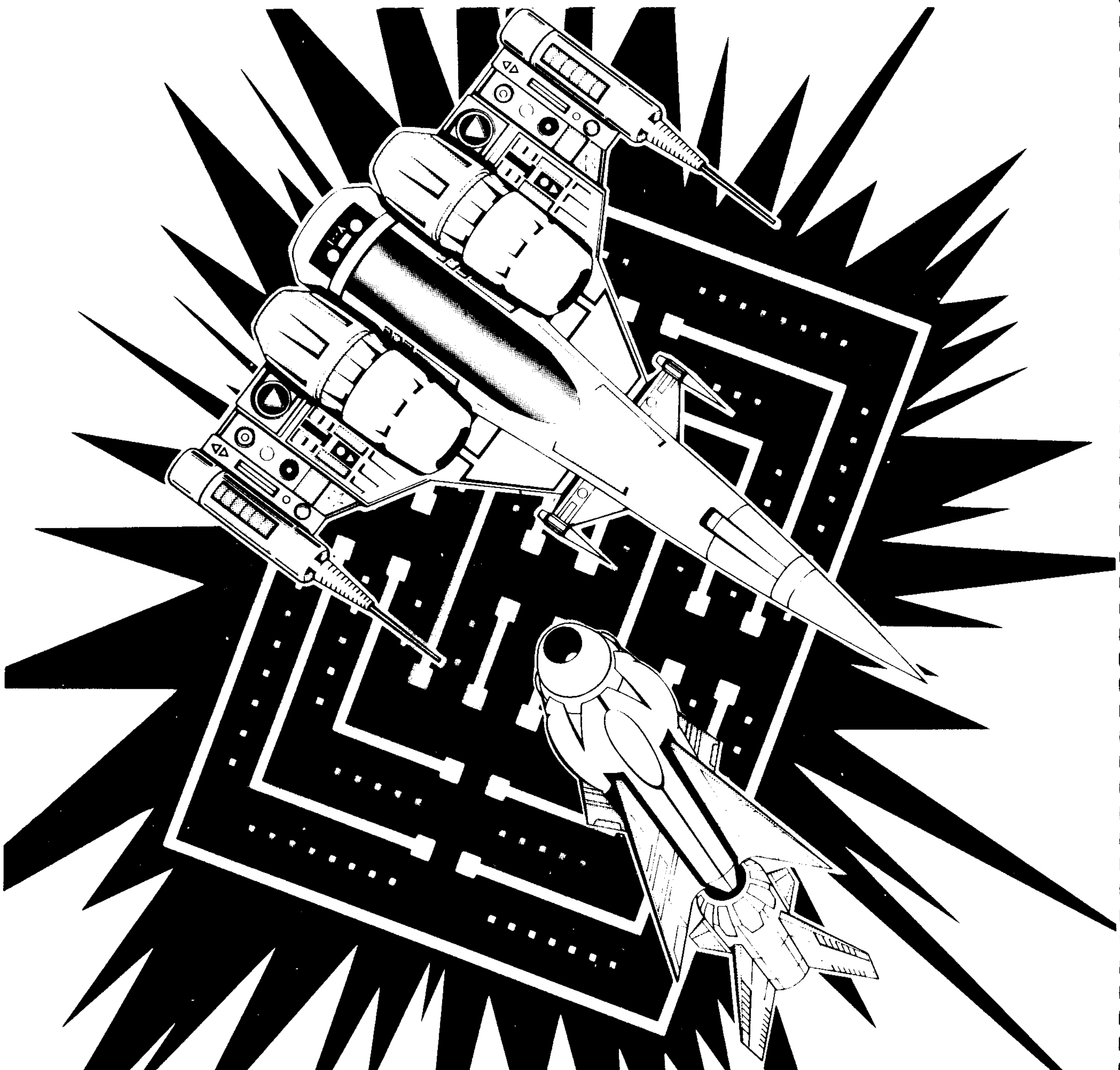
SPACE CHASER COLOR



AND PARTS CATALOG

TAITO

TAITO CORPORATION

RWO70006

NOTE.1 THE RELATION BETWEEN COIN AND CREDIT

	SW. 1							SW. 2							
	1	2	3	4	5	6	7	1	2	3	4	5	6	7	8
1 COIN 1 PLAY	ON	ON	ON	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	OFF
2 COIN 1 PLAY	"	"	"	"	"	"	"	OFF	ON	OFF	"	"	"	"	"
3 COIN 1 PLAY	"	"	"	"	"	"	"	"	OFF	ON	"	"	"	"	"
4 COIN 1 PLAY	"	"	"	"	"	"	"	"	OFF	OFF	ON	"	"	"	"
1 COIN 2 PLAY	ON	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON
1 COIN 3 PLAY	OFF	ON	"	"	"	"	"	"	"	"	"	"	"	"	"
1 COIN 4 PLAY	ON	ON	"	"	"	"	"	"	"	"	"	"	"	"	"

5. Playing Instruction

- o One or two players can play.
- o Insert coin(s), and select one or two player game.

  1 coin - 1 play ... 3 Spaceships (Adjustable)

  2 coins - 2 plays(1 - player game)

  1 play (2 - player game)

- o Spacehip (yellow)  and chaser Missile  will appear on the screen.
- o Control the Spacehip by using the Control Lever and clear dots (■) without colliding into oncoming chaser missiles.
- o By pushing the Thrust Button, the Spaceship can be some distance ahead of the Chaser Missile, but the fuel and bonus points decrease.
- o In two player mode, the play alternates between the two.

Functional Description of Game:

- o Points for a dot increase by 10 points per frame (up to 90 points) every time all dots in a frame have been creared. (Bonus points will be added.)
- o The bonus points are 4,000 points at the game atart, and will decrease by pushing the Thrust Button.
- o Green Zone will appear on the course for accelerating the Chaser Missiles.
- o The second Chaser Missile will appear when the score reaches 10,000 points,
- o Game ends when the lest Spaceship is distroyed by the Chaser Missile.
- o The high-scorer's name can be registered on the screen. Any waony wording can be cancelled by pushing the Name Reset Button, but the high score will not be cancelled.

Method:

(1) The alphabets ("A"-"Z"), "RUB", and "END" will be displayed on the screen. By moving the contrl lever, move the red underline to the alphabet one by one so that the high-scorer's name can by spelled.

(2) An alphabet on the red underline can be resistered at a time on the screen by pushing the thrust button.

"RUB" ... If any wrong alphabet has been registered, move the red underline to the word "RUB" , and push the thrust button so that the alphabet will be canceled.

"END" ... When finishing the high-scorer's name registration move the red underline to the word "END" and push the thrust button.

(3) The high-scorer's name register can mode within one and half minutes. After one and half minutes passed, the registration will be automalically stopped.
(In total. ten alphabets can be registered.)

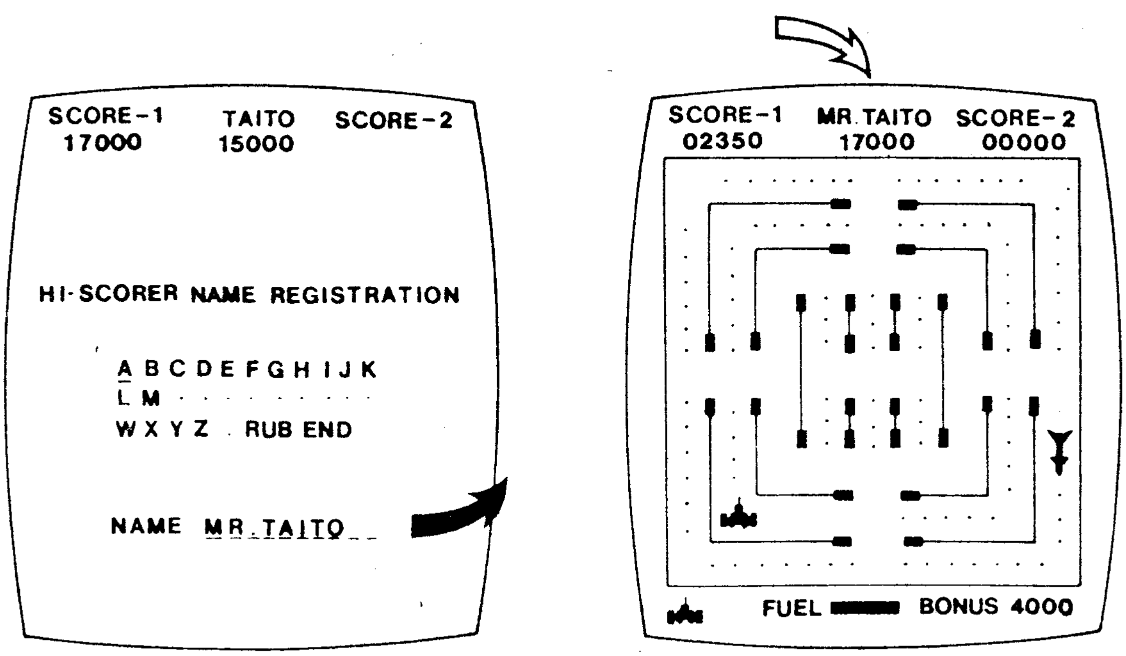


Fig.3

6. Adjustments on Switching Regulator PC Board
(See Fig. 4)

Caution: The line voltages should be set within the limit. Failure to do so may result in destruction of the IC's.

o To check the output voltage, measure them on the G-connector or the T-connector.
(See the attaching cable Block Diagram NO. AAR00196.)

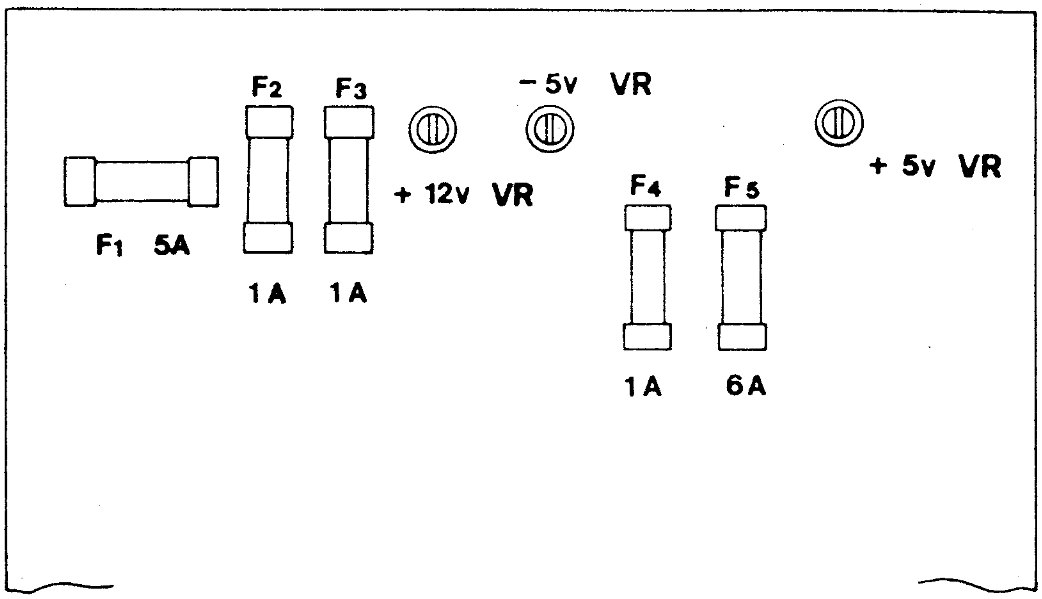


Fig. 4

o +5V VR ... Pot for adjusting +5V DC line voltage
(Adjustment range: +4.5V to +5.5V DC)
Set approx. +5V.

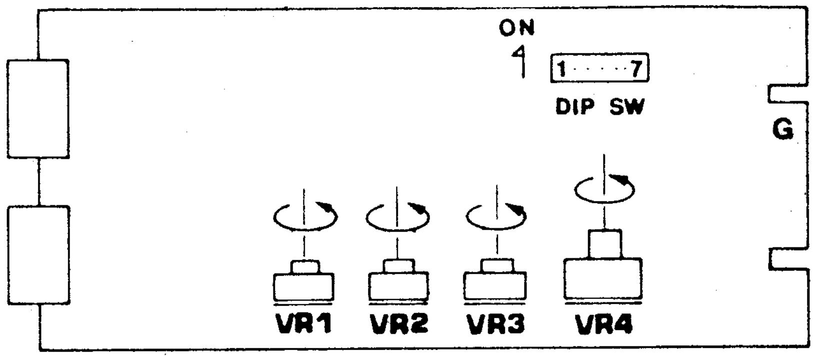
o -5V VR ... Pot for adjusting -5V DC line voltage
(adjustable range: -5.5V to -4.5V DC)
Set approx. -5V.

(When the +5V line hes no load, this -5V voltage is not present on the line.)

o +12V VR ... Pot for adjusting +5V DC line voltage
(Adjustable range: +10.8V to +13.2V DC)
Set approx. +12V.

7. Adjustments on Game PC Board (See Fig. 5and Table 1)

o To decrease the sound, turn each pot (VR1 -VR4) to the derection shown below with arowheads.



Fig,5

VR1 ... Pot for adjusting the music sound

VR2 ... Pot for adjusting the effect sound and the explosion sound

VR3 ... Pot for adjusting the dot - hitting sound

VR4 ... Pot for adjusting the total sound

Change-over of DIP Switches;

o SW1,SW2 ..Switches for changing the number of spaceships

SW 1	ON	OFF	ON	OFF
SW 2	ON	ON	OFF	OFF
Number of Spaceships	3	4	5	6

Table.1

These switches have been preset at "ON" position at the factory. (3 spaceships at the game start)

o SW3-SW6 ..Switches for adjusting solid-state modules
These switches are for factory adjustments, and all of them should be set at "ON" position.

o SW7 ..... Switch for rotating images on the screen
When the switch is set at "OFF" position, the images on the screen will be rotated
This switch should be set at "ON" position.

8. Adjustments on Color Video Monitor (See Fig. 6)

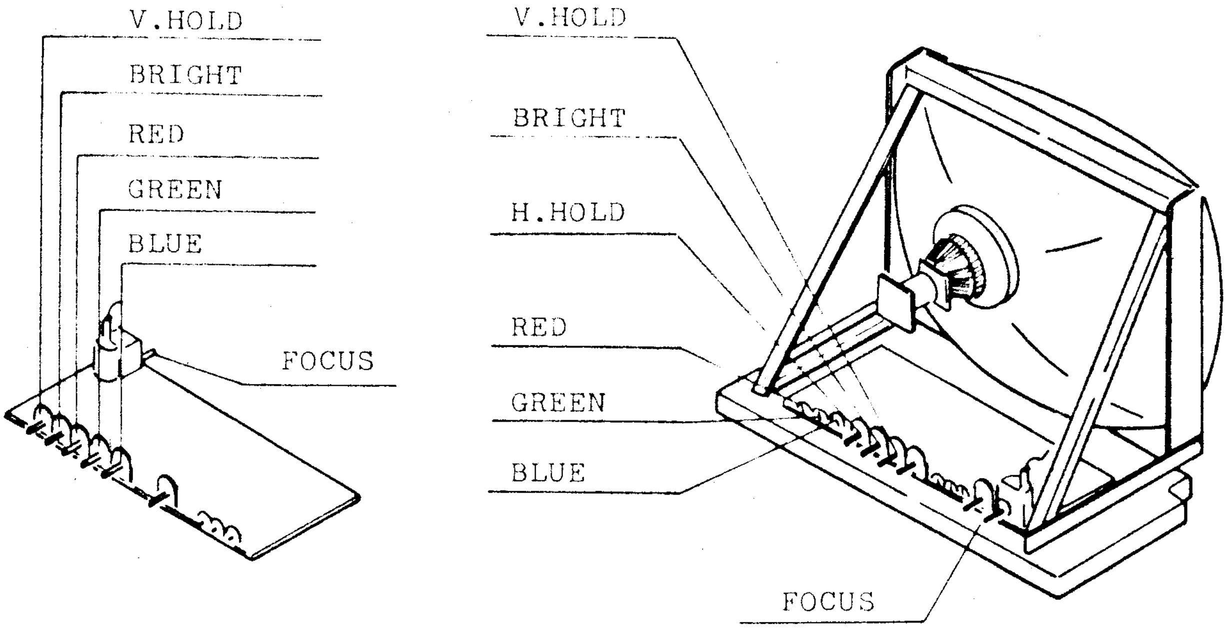


Fig. 6

The video monitor is properly adjusted before shipping, however, if necessary, seadjust as follows:

Caution: Carful adjustments are reguired for the H.Hold and the V.Hold adjustments.

o Horizontal Hold

Adjust the H.HOLD control if the picture is warpped or broken into diagonal lines.

o Vertical Hold

Adjust the V.HOLD control if the picture rolls vertically across the screen.

o Screen Brighness

Adjust the BRIGHT control to keep the screen clear.

o FOCUS ... Screen Focus Control

o RED, GREEN, and BLUE ... Color Controls

Note: (1) Color aberration may occur depending on the setting condition of the machine. In that case, use a degsussing device. Keep magnet away from the screen, otherwise, it may result in color aberration.

(2) **The color video monitor of Taito "SPACE CHASER" is for exclusive use, therefore, it can not be replaced with that of other models.**

9. Adjustments of Supply Voltage (See Fig. 7)

If the voltage of the power supply is low, the picture on the screen sometimes gluckers. In that case, change the connection of the power transformer terminals in the cabinet. This adjustment is obtained by using the change-over switch.

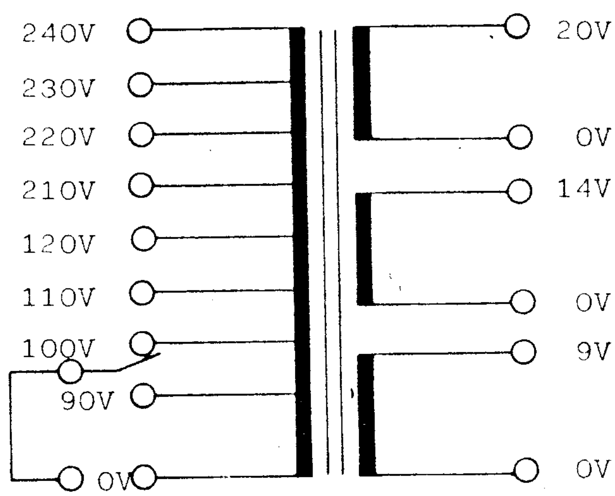


Fig. 7

10. Typical Picture During Play (See Fig.8)

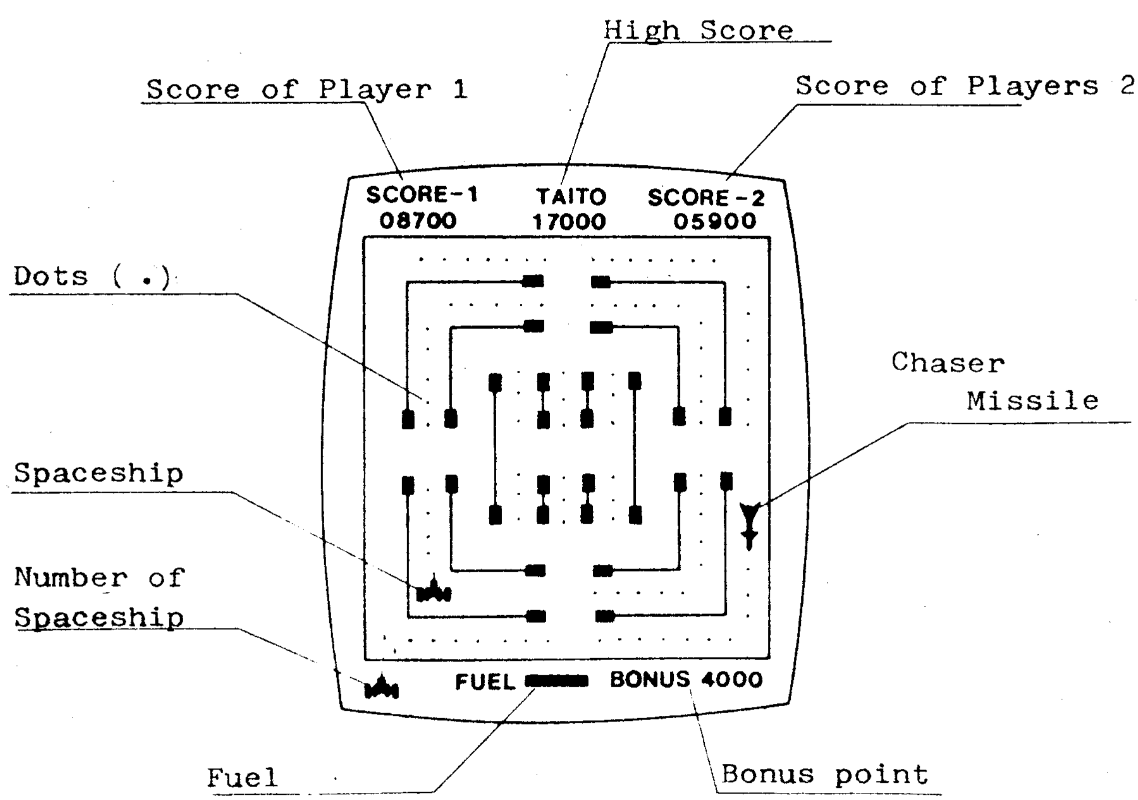
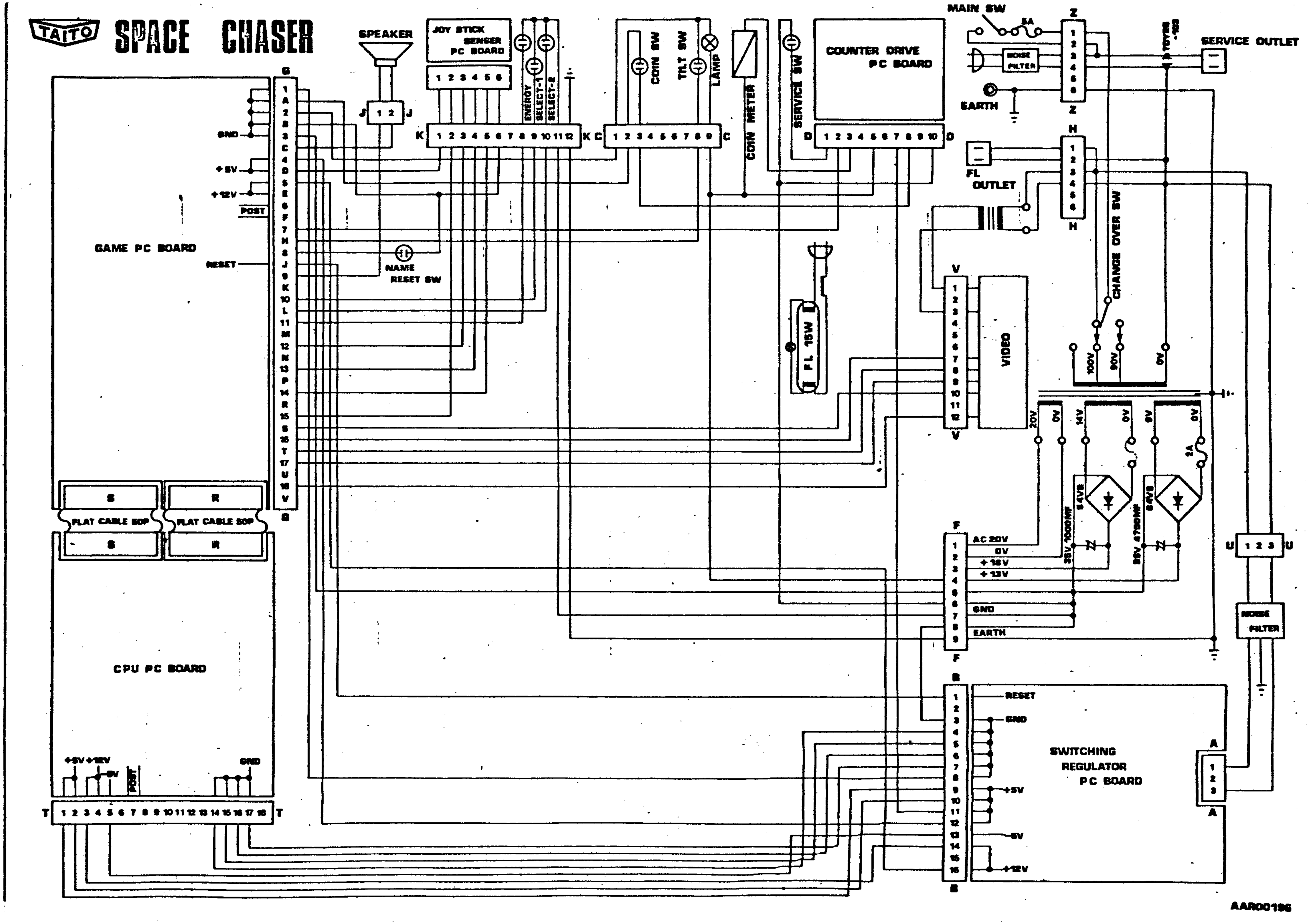
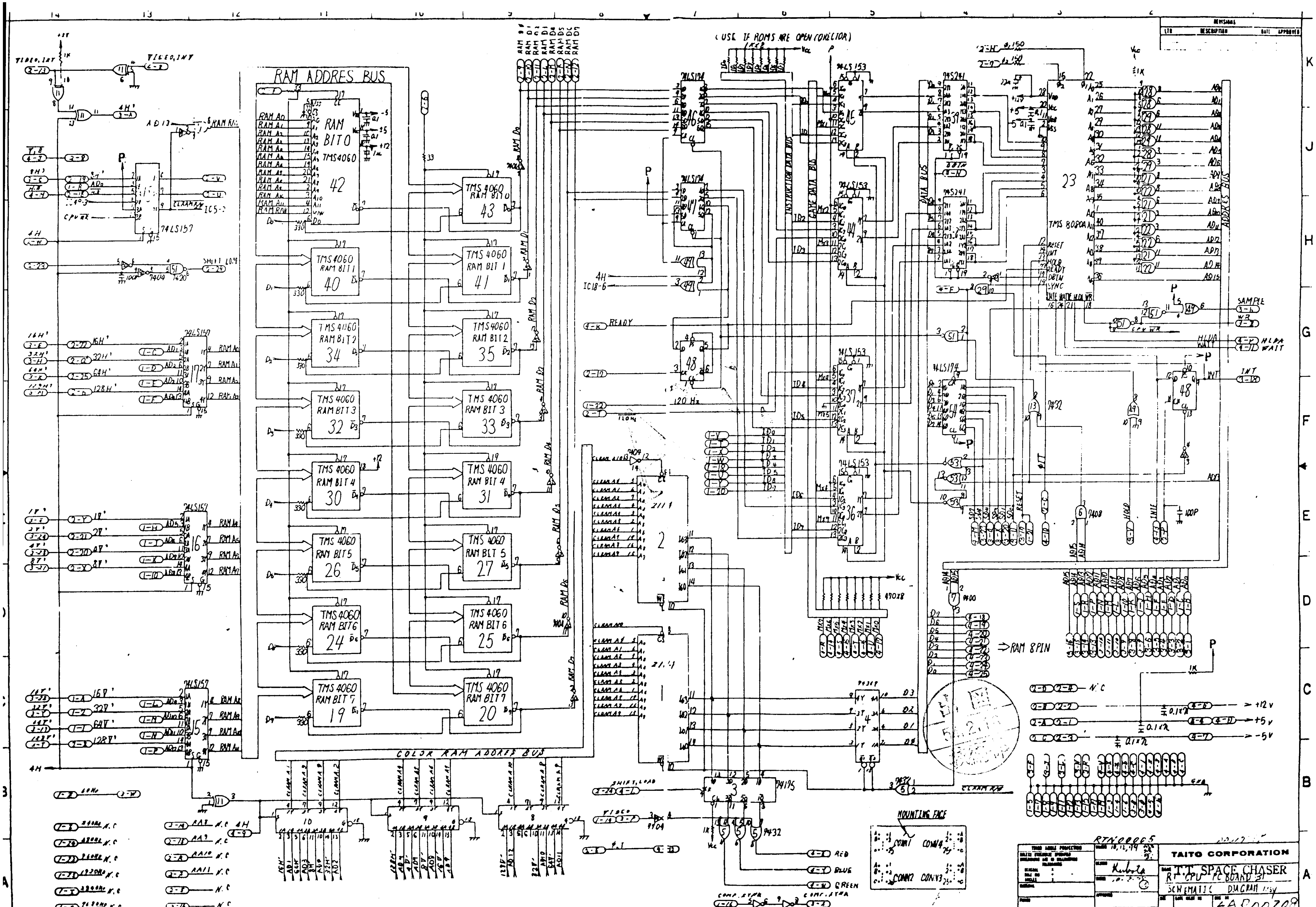
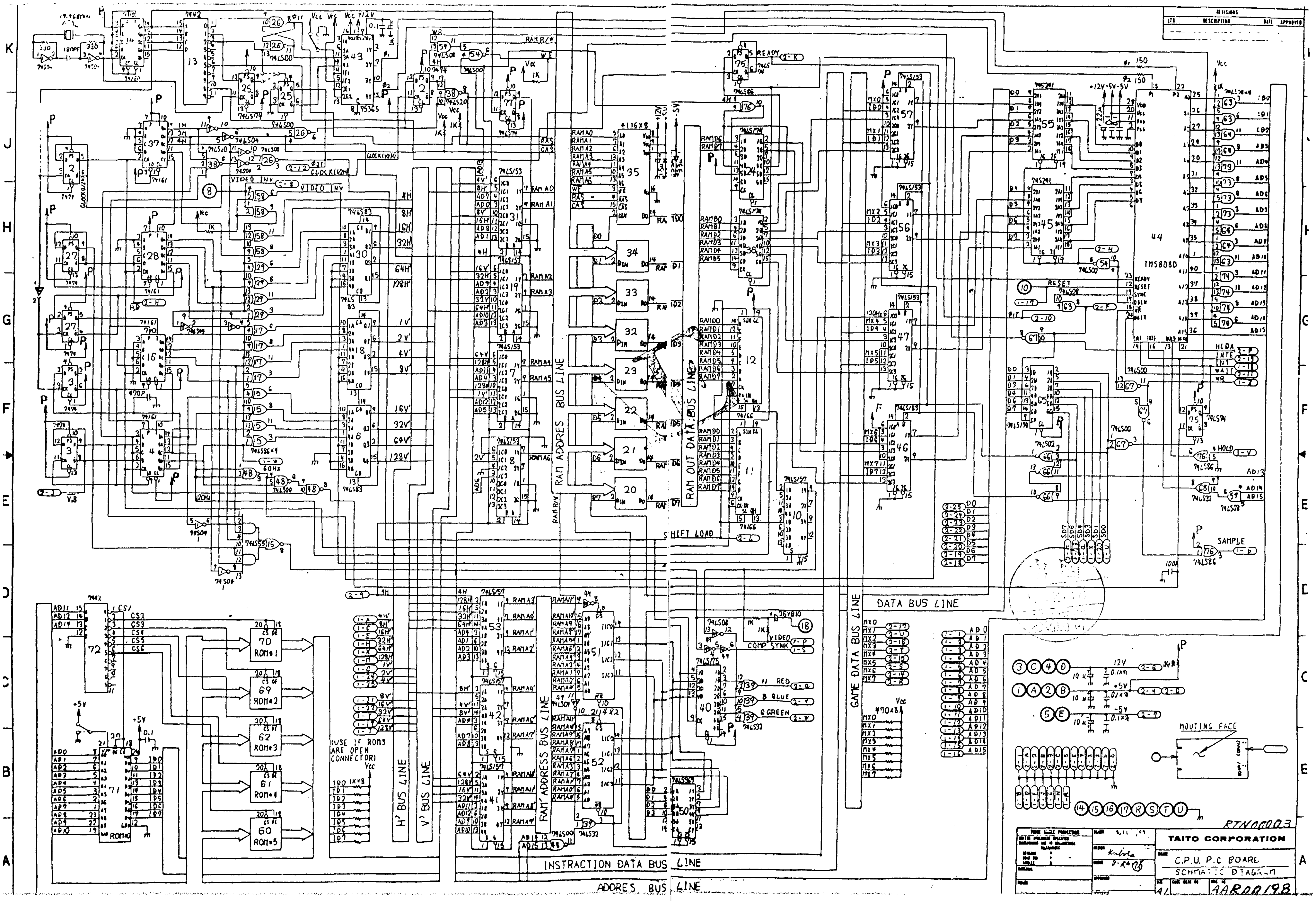
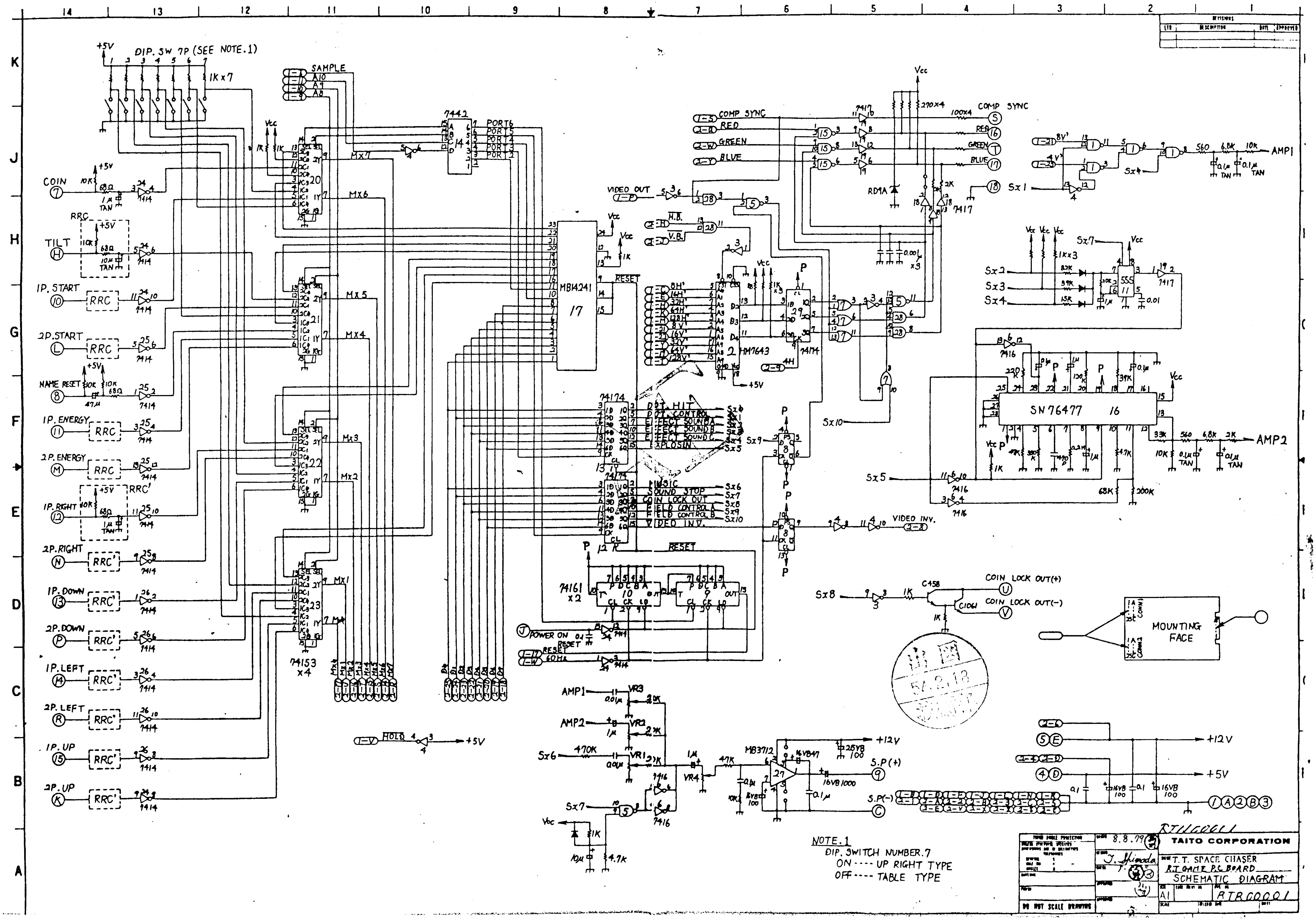


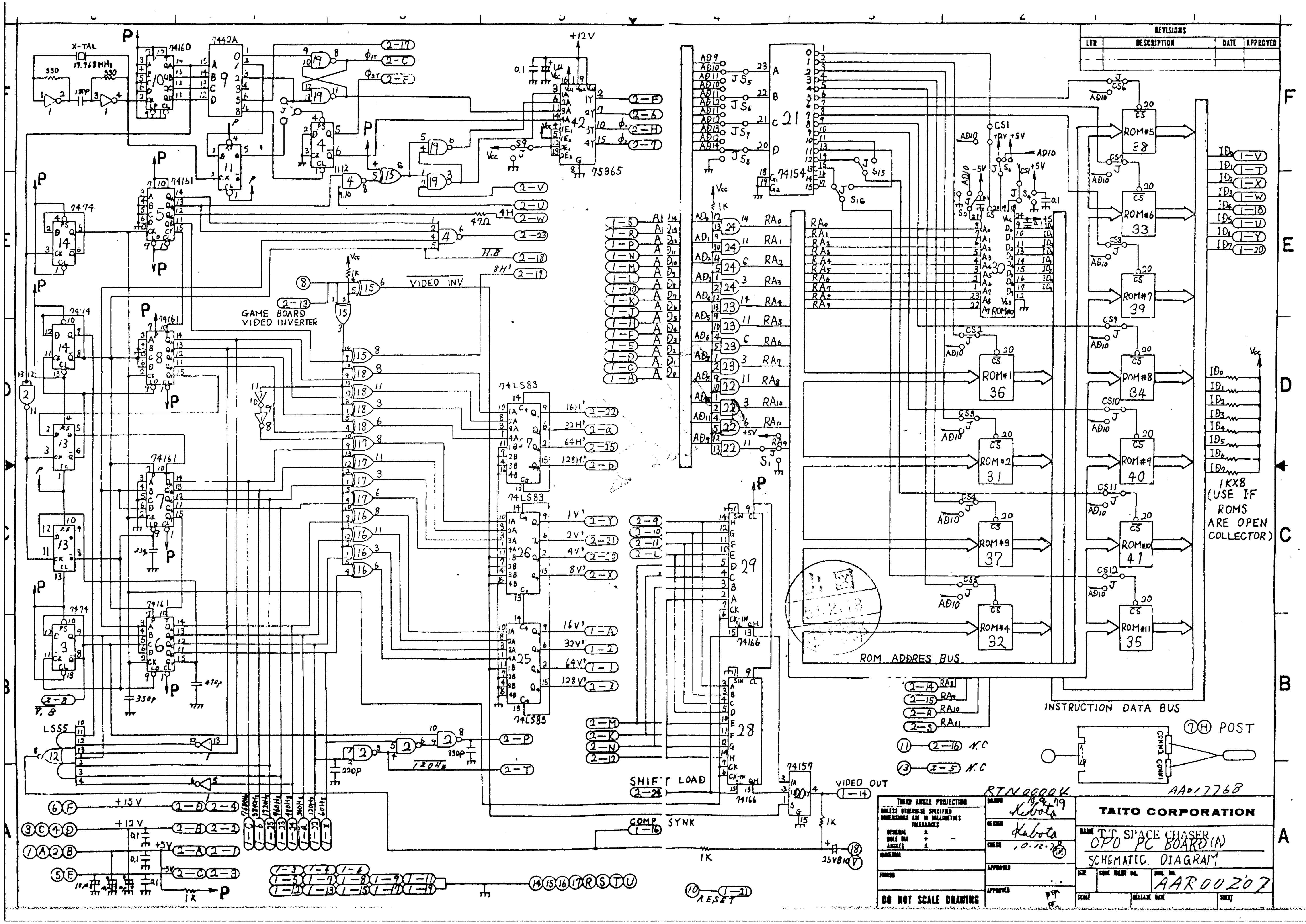
Fig. 8


TAITO
SPACE CHASER
SPEAKER
JOY STICK SENSER PC BOARD
ENERGY
SELECT-1
SELECT-2
COIN SW
TILT SW
LAMP
COIN METER
SERVICE SW
COUNTER DRIVE PC BOARD
MAIN SW
5A
NOISE FILTER
EARTH
SERVICE OUTLET
FL OUTLET
CHANGE OVER SW
100V
90V
0V
GAME PC BOARD
GND
+5V
+12V
POST
RESET
NAME RESET SW
FL 15W
VIDEO
20V
14V
9V
2A
S4VB
35V 1000MF
35V 4700MF
AC 20V
+16V
+13V
EARTH
FLAT CABLE SOP
CPU PC BOARD
-5V
SWITCHING REGULATOR PC BOARD
+5V
-5V
+12V
AAR00196


RAM ADDRES BUS
COLOR RAM ADDRES BUS
USE IF ROMS ARE OPEN COLECTOR
INSTRUCTION DATA BUS
DATA BUS
ADDRES BUS
TMS 4060 RAM BIT 0
TMS 4060 RAM BIT 1
TMS 4060 RAM BIT 2
TMS 4060 RAM BIT 3
TMS 4060 RAM BIT 4
TMS 4060 RAM BIT 5
TMS 4060 RAM BIT 6
TMS 4060 RAM BIT 7
TMS 8080A
74LS157
74LS174
74LS153
74S241
74195
SAMPLE
HLDA
WAIT
INT
READY
120 Hz
RAM 8PIN
MOUNTING FACE
RED
BLUE
GREEN
+12 V
+5 V
-5 V
TAITO CORPORATION
T.T. SPACE CHASER
CPU PC BOARD
SCHEMATIC DIAGRAM

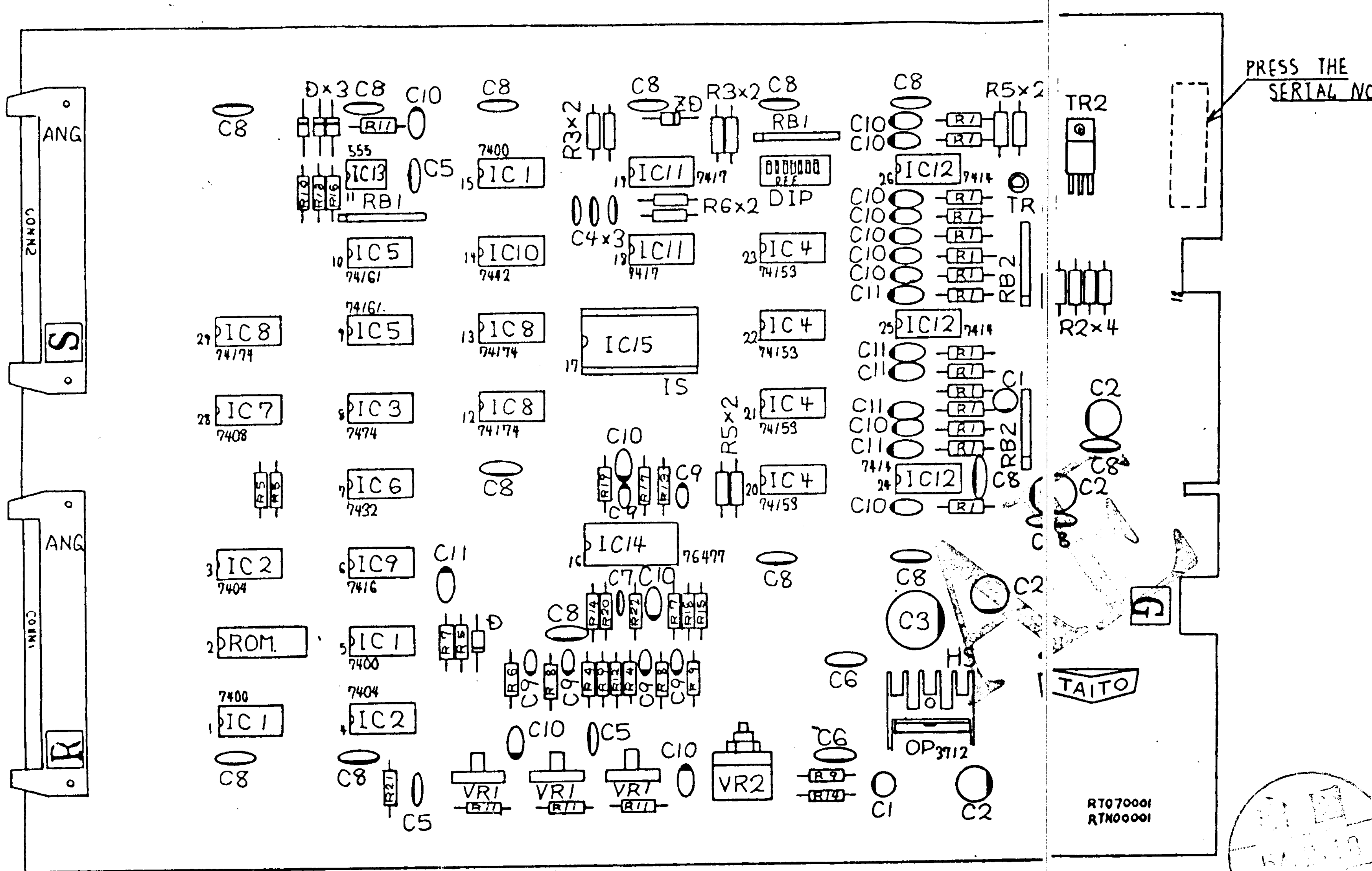

TAITO CORPORATION
C.P.U. P.C BOARD
SCHMATIC DIAGRAM
4AR00198
RTN00003
TMS8080
DATA BUS LINE
GAME DATA BUS LINE
RAM OUT DATA BUS LINE
RAM ADDRES BUS LINE
RAM' ADDRESS BUS LINE
H' BUS LINE
V' BUS LINE
INSTRACTION DATA BUS LINE
ADDRES BUS LINE
SHIFT LOAD
VIDEO INV
CLOCK (V2H)
RESET
READY
SAMPLE
HOLD
HLDA
INTE
INT
WAIT
WR
VIDEO
COMP SYNK
RED
BLUE
GREEN
ROM#1
ROM#2
ROM#3
ROM#4
ROM#5
ROM#0
(USE IF ROM3 ARE OPEN CONNECT(OR))
MOUTING FACE
12V
+5V
-5V

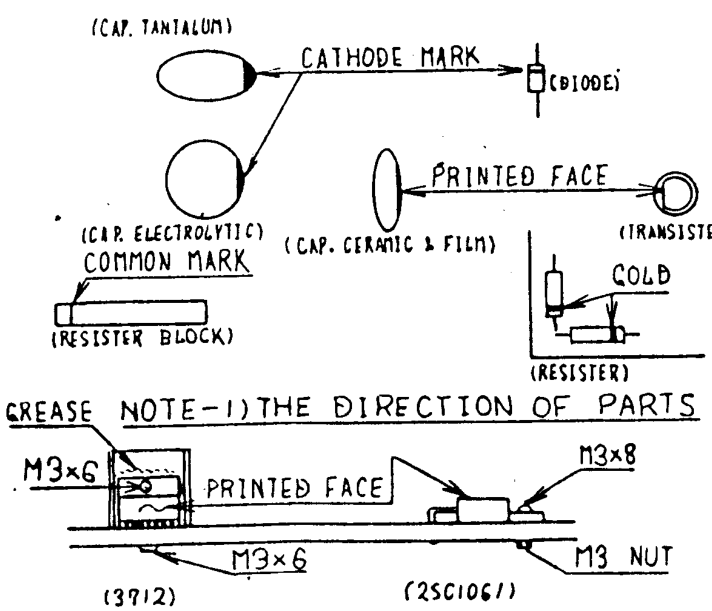

DIP. SW 7P (SEE NOTE.1)
1K x 7
SAMPLE
COIN
TILT
1P. START
2P. START
NAME RESET
1P. ENERGY
2P. ENERGY
1P. RIGHT
2P. RIGHT
1P. DOWN
2P. DOWN
1P. LEFT
2P. LEFT
1P. UP
2P. UP
RRC
RRC'
74153 x4
7442
PORT
MB14241
17
74174
DOT HIT
DOT CONTROL
EFFECT SOUND A
EFFECT SOUND B
EFFECT SOUND C
EXPLOSIN
MUSIC
SOUND STOP
COIN LOCK OUT
FIELD CONTROL A
FIELD CONTROL B
VIDEO INV.
RESET
74161 x2
POWER ON RESET
60Hz
HOLD
COMP SYNC
RED
GREEN
BLUE
VIDEO OUT
H.B.
V.B.
HM7643
74174
RD1A
7417
270 x 4
100 x 4
AMP1
AMP2
555
SN76477 16
7416
C458
C1061
COIN LOCK OUT(+)
COIN LOCK OUT(−)
MOUNTING FACE
VR1
VR2
VR3
VR4
MB3712
S.P(+)
S.P(−)
+12V
+5V
NOTE.1
DIP. SWITCH NUMBER.7
ON ---- UP RIGHT TYPE
OFF ---- TABLE TYPE
TAITO CORPORATION
T. T. SPACE CHASER
RT GAME P.C BOARD
SCHEMATIC DIAGRAM
8. 8. 79
RTR00001
DO NOT SCALE DRAWING



REVISIONS
LTR
DESCRIPTION
DATE
APPROVED
X-TAL
17.968MHz
GAME BOARD
VIDEO INVERTER
VIDEO INV
ROM ADDRES BUS
INSTRUCTION DATA BUS
1KX8
(USE IF
ROMS
ARE OPEN
COLLECTOR)
SHIFT LOAD
COMP SYNK
VIDEO OUT
RESET
POST
THIRD ANGLE PROJECTION
DO NOT SCALE DRAWING
RTN00004
AA017768
TAITO CORPORATION
T.T SPACE CHASER
CPU PC BOARD (A)
SCHEMATIC DIAGRAM
AAR00207

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED





NOTE-1) THE DIRECTION OF PARTS

NOTE-2) HOW TO MOUT PARTS

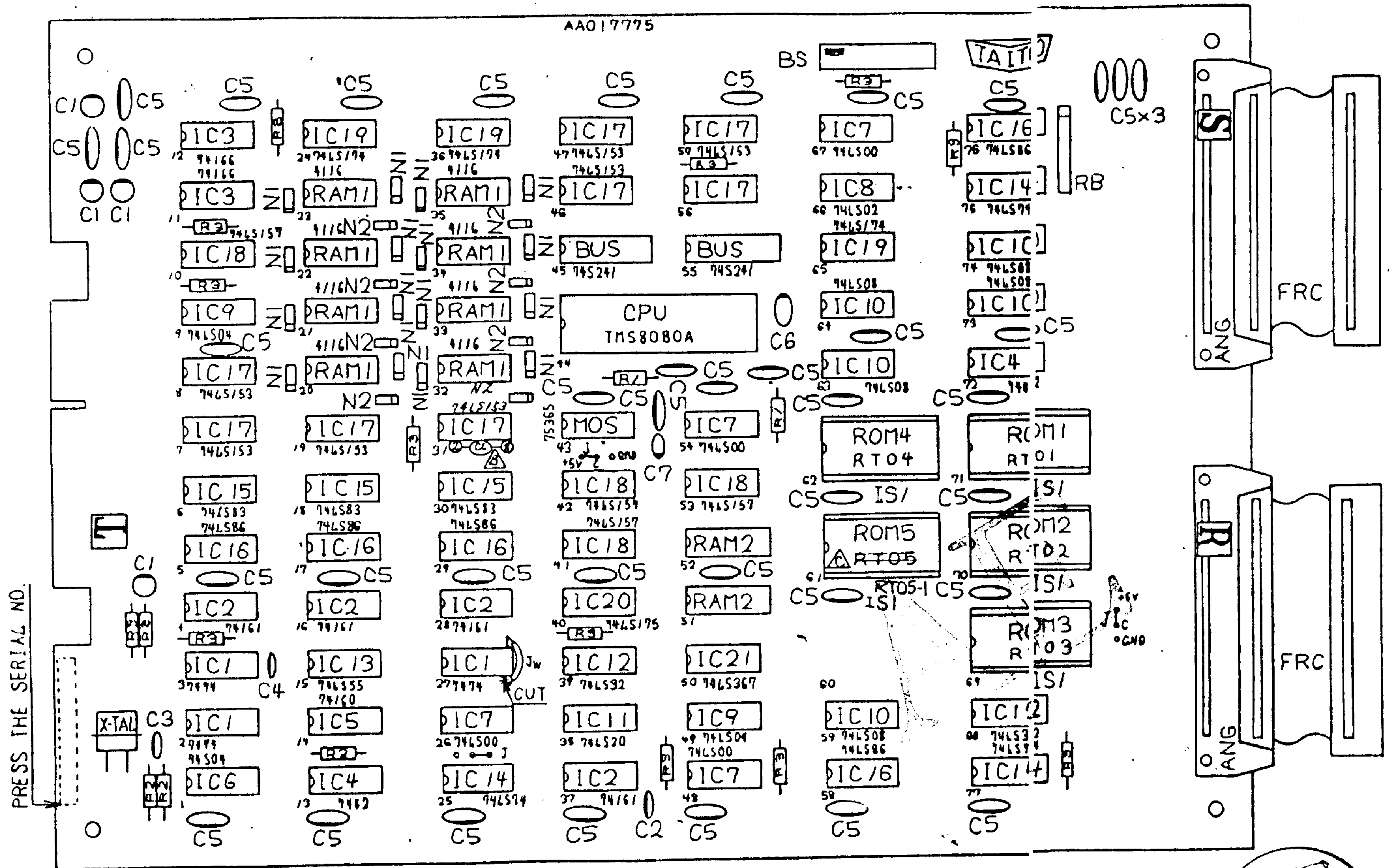
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
70	RB2	AAT 55039	RESISTER BLOCK, 10KOHM 8elements	2
69	RB1	• 55036	RESISTER BLOCK, 1KOHM 8elements	2
68	VR2	• 53047	VARIABLE RESISTER, B-50K RV/6YP	1
67	VR1	• 53041	VARIABLE RESISTER, B-50K	3
66	R22	• 51845	RES., CARBON, 2.2MOHM 1/4W ±5%	1
65	R21	• 51829	• , • , 470K • • •	1
64	R20	• 51825	• , • , 330K • • •	1
63	R19	• 51821	• , • , 220K • • •	1
62	R18	• 51820	• , • , 200K • • •	1
61	R17	• 51815	• , • , 120K • • •	1
60	R16	• 51811	• , • , 82K • • •	1
59	R15	• 51809	• , • , 68K • • •	1
58	R14	• 51805	• , • , 47K • • •	2
57	R13	• 51803	• , • , 39K • • •	2
56	R12	• 51801	• , • , 33K • • •	1
55	R11	• 51796	• , • , 20K • • •	4
54	R10	• 51793	• , • , 15K • • •	1
53	R 9	• 51789	• , • , 10K • • •	3
52	R 8	• 51785	• , • , 6.8K • • •	2
51	R 7	AAT 51782	RES., CARBON, 4.7KOHM 1/4W ±5%	2

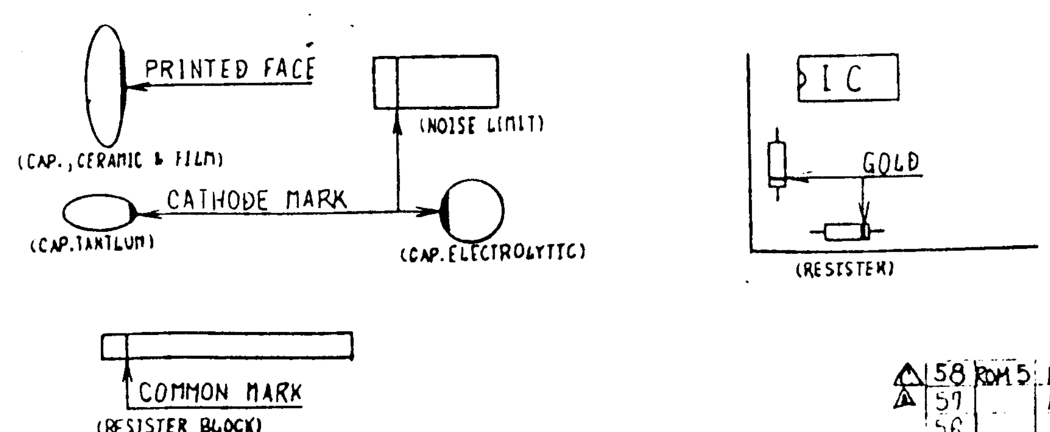
ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
50	R 6	AAT 51772	RES., CARBON, 2KOHM 1/4W ±5%	3
49	R 5	• 51765	• , " , 1K • • •	7
48	R 4	• 51759	• , • , 560 • • •	2
47	R 3	• 51751	• , • , 270 • • •	4
46	R 2	• 51741	• , • , 100 • • •	4
45	R 1	• 51737	RES., CARBON, 68OHM 1/4W ±5%	15
44	C 11	• 41430	CAP., TANTALUM, SSG25-10F	6
43	C 10	• 41436	• , • , SSG35-1F	14
42	C 9	• 41431	• , TANTALUM, SSG35-0R1F	6
41	C 8	• 41672	• , CERAMIC, SC45F-1H-104Z 50V	15
40	C 7	• 41334	• , CERAMIC, DT-205 470PF 50V	1
39	C 6	• 41244	• , FILM, TDY-1H-104	2
38	C 5	• 41238	• , • , TDY-1H-103	3
37	C 4	• 41232	• , FILM, TDY-1H-102	3
36	C 3	• 41040	• , ELECTROLYTIC, 25VB-1000	1
35	C 2	• 41036	• , • , 25VB-100	4
34	C 1	AAT 41035	CAP., ELECTROLYTIC, 25VB-47	2
33	ROM	RTO 90006	P-ROM , RT06 (4K)	1
32	IC15	AAT 37001	CUSTOM I.C , MB14241	1
31	IC14	• 32141	TTL I.C , 76477	1
30	IC13	• 32019	• , NE555V	1
29	IC12	• 32054	• , 7414	3
28	IC11	• 32049	• , 7417	2
27	IC10	• 32039	• , 7442	1
26	IC 9	• 32033	• , 7416	1
25	IC 8	• 32029	• , 74174	3
24	IC 7	• 32023	• , 7408	1
23	IC 6	• 32021	• , 7432	1
22	IC 5	• 32018	• , 74161	2
21	IC 4	• 32017	• , 74153	4
20	IC 3	• 32011	• , 7474	1
19	IC 2	• 32003	• , 7404	2
18	IC 1	AAT 32001	TTL I.C , 7400	3
17			PAN HD SCREW , M3×6	1
16	OP	AAT 31042	OP AMPLIFER , MB3712	1
15	ZD	• 13028	ZENER DIODE , RD-9A	1
14	D	AAT 12025	DIODE , 1S1588	4
13			NUT , M3	1
12			PAN HD SCREW , M3×8	1
11	TR2	AAT 11030	TRANSISTER , 2SC1061	1
10	TR1	AAT 11020	TRANSISTER , 2SC372	1
9	IS	AAO 55787	I.C SOCKET , 24PIN	1
8	ANG	• 55154	ANGLE PIN HEADER, PS-50PA	2
7	DIP	• 52560	DIP SWITCH , DSS-7	1
6	S	• 17662	CONNECTOR STICKER , S	1
5	R	• 17659	• , R	1
4	G	AAO 17632	CONNECTOR STICKER , G	1
3			PAN HD SCREW , M3×6	1
2	HS	AAO 14520	HEAT SINK	1
1		RTO 70001	RT-GAME P.C BOARD	1

PARTS LIST

THIRD ANGLE PROJECTION UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS TOLERANCES GENERAL ± HOLE DIA ± — ANGLES ±	DRAWN 8,23,79	TAITO CORPORATION
MATERIAL	DESIGN Kubota	NAME T.T SPACE CHASER R-T-GAME P.C BOARD Assy
FINISH	CHECK	SIZE A2 · CODE IDENT NO. · DWG NO RTN 00001
DO NOT SCALE DRAWING	APPROVED APPROVED	SCALE · RELEASE DATE · SHEET

LTR	DESCRIPTION	DATE	APPROVED
△	P-11-7 · 1POINT	10.4.79	Kubota
△B	P-11-10 · 2POINT	10.9.79	[illegible]
△C	P-11-18 · 3POINT	11.5.79	[illegible]





NOTE) THE DIRECTION OF PARTS

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQ
△ 58	ROM5	RTO 90032	P-ROM RT05-1	1
△ 57		AAT 41334	CAP., CERAMIC, 470PF (REPAIR PARTS)	1
56				
55	Jw		JUMPER WIRE Y 100mm	
54	J		TINNED COPPER WIRE 1φ200mm	
53	FRC	AAR 00215	F.R.C.-Harness Assy 50P	2
52	N2	AAT 61020	NOISE LIMIT, CS90E-1E-1R500-R58	8
51	N1	AAT 61019	NOISE LIMIT, CS90E-1A-3R300-R58	16

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQ
50	RB	AAT 55041	RESISTER BLOCK 470OHM 8elements	1
49	R3	〃 51765	RES., CARBON, 1KOHM ±5% 1/4W	15
48	R2	〃 51753	〃 , 〃 , 330 〃 〃 〃	2
47	R1	〃 51745	RES., CARBON, 150OHM ±5% 1/4W	2
46	C7	〃 41425	CAP., TANTALUM, SSG25-1F	1
45	C6	〃 41424	〃 , TANTALUM, SSG16-22F	1
44	C5	〃 41672	〃 , CERAMIC, SC45F1H104Z 50V 0.1μF	39
43	C4	〃 41334	〃 , 〃 , DT-205 470PF 50V	1
42	C3	〃 41324	〃 , 〃 , DT-203 180PF 50V	1
△B 41	C2	〃 41318	〃 , CERAMIC, DT-201 100PF 50V	2 F
40	C1	AAT 41032	CAP., ELECTROLYTIC, 25VB-10	4
△C 39	ROM5	RTO 90005	P-ROM, RT05, 16K	0 F
38	ROM4	〃 90004	〃 , RT04, 〃	1
37	ROM3	〃 90003	〃 , RT03, 〃	1
36	ROM2	〃 90002	〃 , RT02, 〃	1
35	ROM1	RTO 90001	P-ROM, RT01, 16K	1
34	MOS	AAT 35002	MOS DRIVER, SN75365	1
33	BUS	〃 35001	BUS DRIVER, 74S241	2
32	CPU	〃 34001	C.P.U, TMS8080A	1
31	IC21	〃 33203	L.S I.C, 74LS367	1
30	IC20	〃 33128	〃 , 74LS175	1
29	IC19	〃 33127	〃 , 74LS174	3
28	IC18	〃 33112	〃 , 74LS157	4
27	IC17	〃 33108	〃 , 74LS153	8
26	IC16	〃 33062	〃 , 74LS86	5
25	IC15	〃 33059	〃 , 74LS83	3
24	IC14	〃 33051	〃 , 74LS74	3
23	IC13	〃 33043	〃 , 74LS55	1
22	IC12	〃 33027	〃 , 74LS32	2
21	IC11	〃 33019	〃 , 74LS20	1
20	IC10	〃 33009	〃 , 74LS08	5
19	IC9	〃 33005	〃 , 74LS04	2
18	IC8	〃 33003	〃 , 74LS02	1
17	IC7	〃 33001	L.S I.C, 74LS00	4
16	RAM2	〃 32156	STATIC RAM, 2114-4	2
15	RAM1	〃 32153	DYNAMIC RAM, TMS4116-25	8
14	IC6	〃 38003	TTL I.C, 74S04	1
13	IC5	〃 32086	〃 , 74160	1
12	IC4	〃 32039	〃 , 7442	2
11	IC3	〃 32028	〃 , 74166	2
10	IC2	〃 32018	〃 , 74161	4
9	IC1	AAT 32011	TTL I.C, 7474	3
8	X-TAL	AAO 69539	X-TAL, 19.968MHz	1
7	IS1	〃 55787	I.C SOCKET, 24PIN	5
6	ANG	〃 55154	ANGLE PIN HEADER, PS-50PA	2
5	T	〃 17665	CONNECTOR STICKER, T	1
4	S	〃 17662	〃 , S	1
3	R	AAO 17659	CONNECTOR STICKER, R	1
2	BS		P.C BOARD STICKER	1
1		AAO 17775	C.P.U P.C BOARD	1

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES
TOLERANCES

DRAWN 7, 31, 79
DESIGN Kubota
CHECK
APPROVED

TAITO CORPORATION

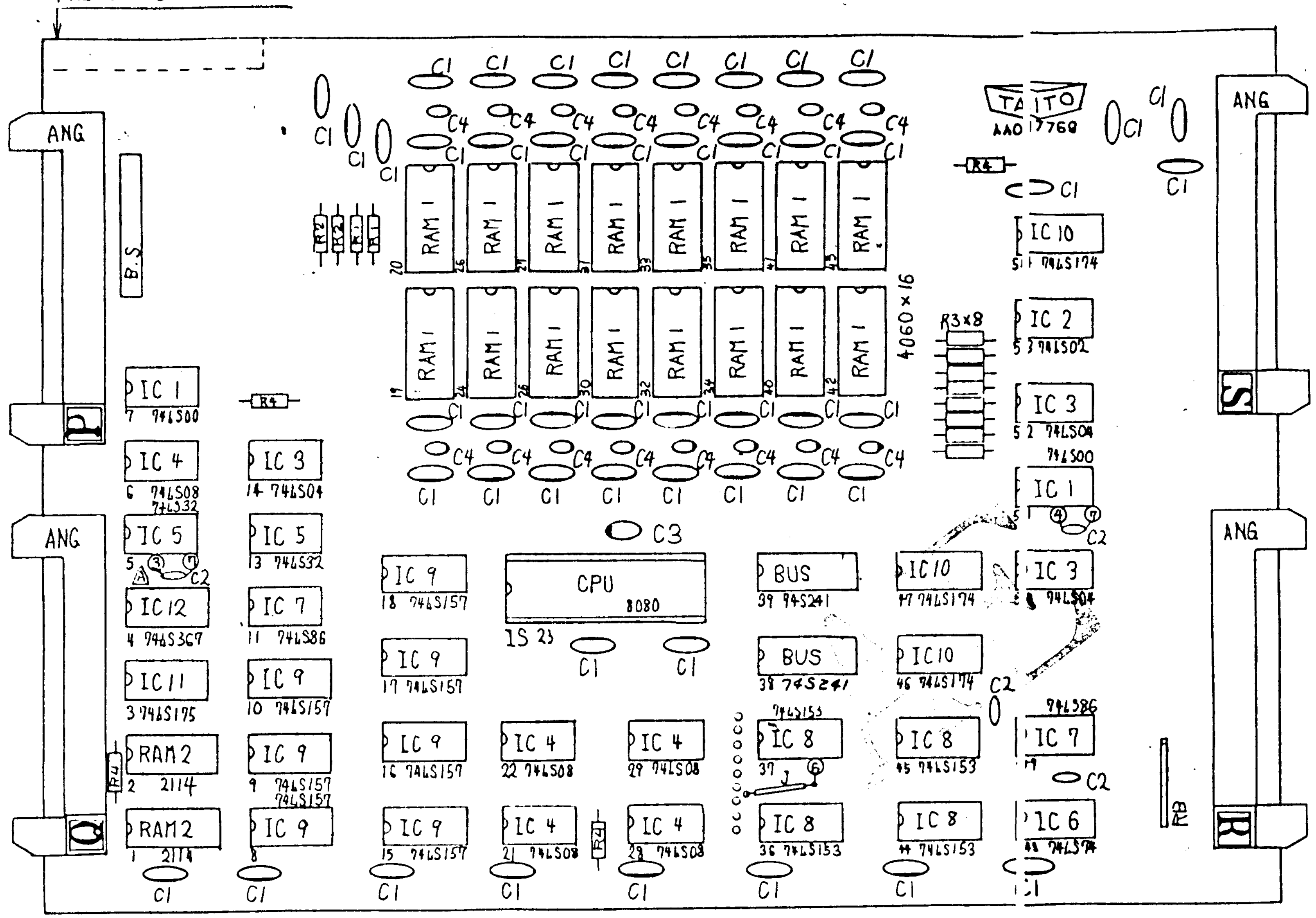
NAME T.T. SPACE CHASER R.T C.P.U. P.C BOARD Assy

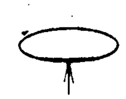
DWG NO. RTN 00003

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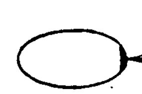
出図 54.2.18 技術部

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED

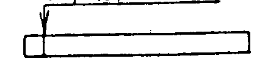




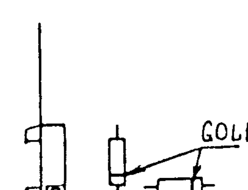
NOTE-1) PRINTED FACE



NOTE-2) CATHODE MARK



NOTE-3) RESISTOR BLOCK



NOTE-4) RESISTOR CARBON

ITEM NO	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
43				
42				
41				
40				
39				
38				
37				
36				
35				
34	J		JUMPER WIRE , Y 1ϕ 100mm	
33	RB	AAT 55041	RESISTOR BLOCK , 470 OHM 8elements	1
32	R4	〃 51765	RES., CARBON, 1K OHM 1/4W ±5%	4
31	R3	〃 51753	〃 , 〃 , 330 OHM 〃 〃	8
30	R2	〃 51745	〃 , 〃 , 150 OHM 〃 〃	2
29	R1	〃 51729	RES., CARBON, 33OHM 1/4W ±5%	2
28	C4	〃 41425	CAP., TANTLUM, SSG25-1F	16
27	C3	〃 41424	〃 , TANTLUM, SSG16-22F	1
26	C2	〃 41318	〃 , CERAMIC, DT-201 100PF 50V	34
25	C1	〃 41244	CAP., FILM, TDY-1H-104	49
24	BUS	〃 35001	BUS DRIVER , 74S241	2
23	CPU	〃 34001	C.P.U , TMS8080	1
22	IC12	〃 33203	LS I.C , 74LS367	1
21	IC11	〃 33128	〃 , 74LS175	1
20	IC10	〃 33127	〃 , 74LS174	3
19	IC9	〃 33112	〃 , 74LS157	7
18	IC8	〃 33108	〃 , 74LS153	4
17	IC7	〃 33062	〃 , 74LS86	2
16	IC6	〃 33051	〃 , 74LS74	1
15	IC5	〃 33027	〃 , 74LS32	2
14	IC4	〃 33009	〃 , 74LS08	5
13	IC3	〃 33005	〃 , 74LS04	3
12	IC2	〃 33003	〃 , 74LS02	1
11	IC1	〃 33001	LS I.C , 74LS00	2
10	RAM2	〃 32156	STATIC RAM , 2114N	2
9	RAM1	AAT 32091	DYNAMIC RAM , TMS4060NL (4K)	16
8	IS	AAO 55812	I.C SOCKET , 40PIN	1
7	ANG	〃 55154	ANGLE PIN HEADER, PS-50PA	4
6	S	〃 17662	CONNECTOR STICKER , S	1
5	R	〃 17659	〃 , R	1
4	Q	〃 17656	〃 , Q	1
3	P	AAO 17653	CONNECTOR STICKER , P	1
2	BS	RTO 10020	P.C BOARD STICKER	1
1		AAO 17769	C.P.U P.C BOARD (B)	1

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRES
TOLERANCES
GENERAL ±
HOLE DIA ± —
ANGLES ±
MATERIAL
FINISH
DO NOT SCALE DRAWING

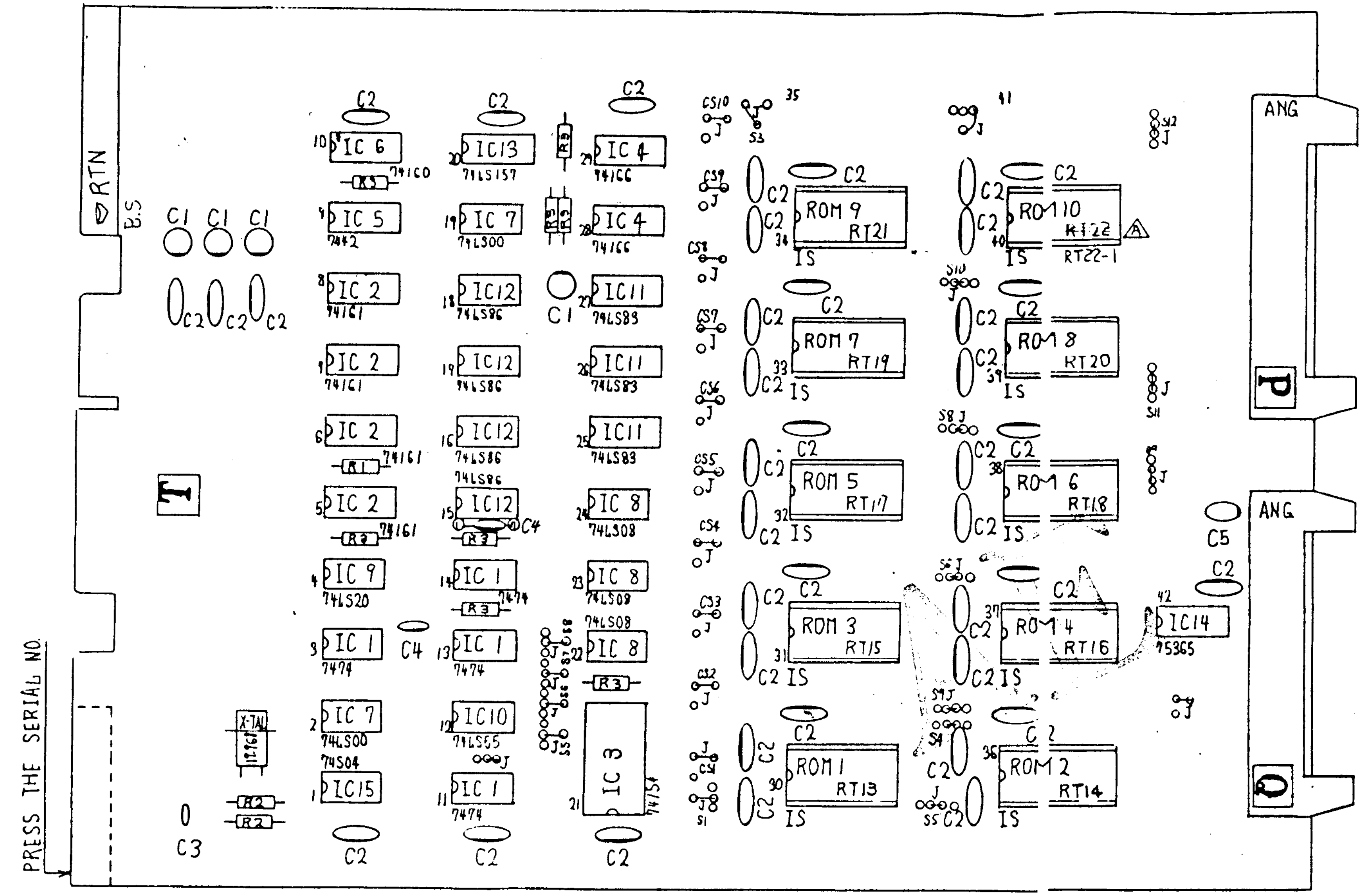
DRAWN 10, 5, 79
DESIGN 10.5.79 Kubota
CHECK 10.8.79
APPROVED
APPROVED

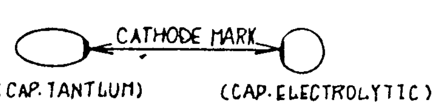
TAITO CORPORATION

NAME T.T. SPACE CHASER
R.T C.P.U P.C BOARD (B) Ass'y

SIZE A2 | CODE IDENT NO. | DWG. NO. RTN00005
SCALE | RELEASE DATE | SHEET

REVISIONS			
LTR	DESCRIPTION	DATE	APPROVED
△	3POINT · P-11-79	11/5.79	[illegible]

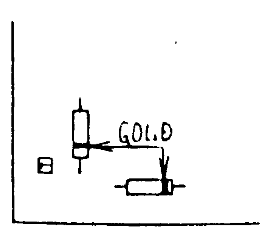




NOTE-1) CATHODE MARK



NOTE-2) CAP. CERAMIC & FILM



NOTE-3) RESISTER

ITEM NO.	SYM	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	QTY REQD
47				
46				
45				
44				
△ 43	ROM10	RTO 90031	P-ROM , RT22-1 (2708)	1
42	J		TINNED COPPER WIRE	200mm
41	R3	AAT 51765	RES. CARBON, 1K OHM 1/4W ±5%	8
40	R2	〃 51753	〃 , 〃 , 330 〃 , 〃 , 〃	2
39	R1	〃 51733	RES. CARBON, 47 OHM 1/4W ±5%	1
38	C5	〃 41436	CAP. TANTLUM, SSG35-1F	1
37	C4	〃 41334	〃 , CERAMIC, DT205 470PF 50V	2
36	C3	〃 41324	〃 , CERAMIC, DT203 180PF 50V	1
35	C2	〃 41244	〃 , FILM , TDY-1H-104	40
34	C1	AAT 41032	CAP. ELECTROLYTIC , 25VB-10	4
△ 33	ROM10	RTO 90029	P-ROM , RT22 (2708)	~~1~~0
32	ROM9	〃 90028	〃 , RT21 (〃)	1
31	ROM8	〃 90027	〃 , RT20 (〃)	1
30	ROM7	〃 90026	〃 , RT19 (〃)	1
29	ROM6	〃 90025	〃 , RT18 (〃)	1
28	ROM5	〃 90024	〃 , RT17 (〃)	1
27	ROM4	〃 90023	〃 , RT16 (〃)	1
26	ROM3	〃 90022	〃 , RT15 (〃)	1
25	ROM2	〃 90021	〃 , RT14 (〃)	1
24	ROM1	RTO 90020	P-ROM , RT13 , (2708)	1
23	IC15	AAT 38003	S I.C , 74S04	1
22	IC14	〃 35002	MOS DRIVER , 75365	1
21	IC13	〃 33112	LS I.C , 74LS157	1
20	IC12	〃 33062	〃 , 74LS86	4
19	IC11	〃 33059	〃 , 74LS83	3
18	IC10	〃 33043	〃 , 74LS55	1
17	IC9	〃 33019	〃 , 74LS20	1
16	IC8	〃 33009	〃 , 74LS08	3
15	IC7	〃 33001	LS I.C , 74LS00	2
14	IC6	〃 32086	TTL I.C , 74160	1
13	IC5	〃 32039	〃 , 7442	1
12	IC4	〃 32028	〃 , 74166	2
11	IC3	〃 32027	〃 , 74154	1
10	IC2	〃 32018	〃 , 74161	4
9	IC.1	AAT 32011	TTL I.C , 7474	4
8	X-TAL	AAO 69539	X-TAL , 19.968 MHz	1
7	IS	〃 55787	I.C SOCKET , 24P	10
6	ANG	〃 55154	ANGLE PIN HEADER , PS-50PA	2
5	T	〃 17665	CONNECTOR STICKER , T	1
4	Q	〃 17656	〃 , Q	1
3	P	AAO 17653	CONNECTOR STICKER , P	1
2	B.S	RTO 70019	P.C BOARD STICKER	1
1		AAO 17768	C.P.U P.C BOARD A	1

PARTS LIST

THIRD ANGLE PROJECTION
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN MILLIMETERS
TOLERANCES

DRAWN 10, 5, 79
DESIGN Kubota
CHECK 10. 8. 79

DO NOT SCALE DRAWING

TAITO CORPORATION

NAME T.T. SPACE CHASER
R.T CPU P.C BOARD (A) Assy

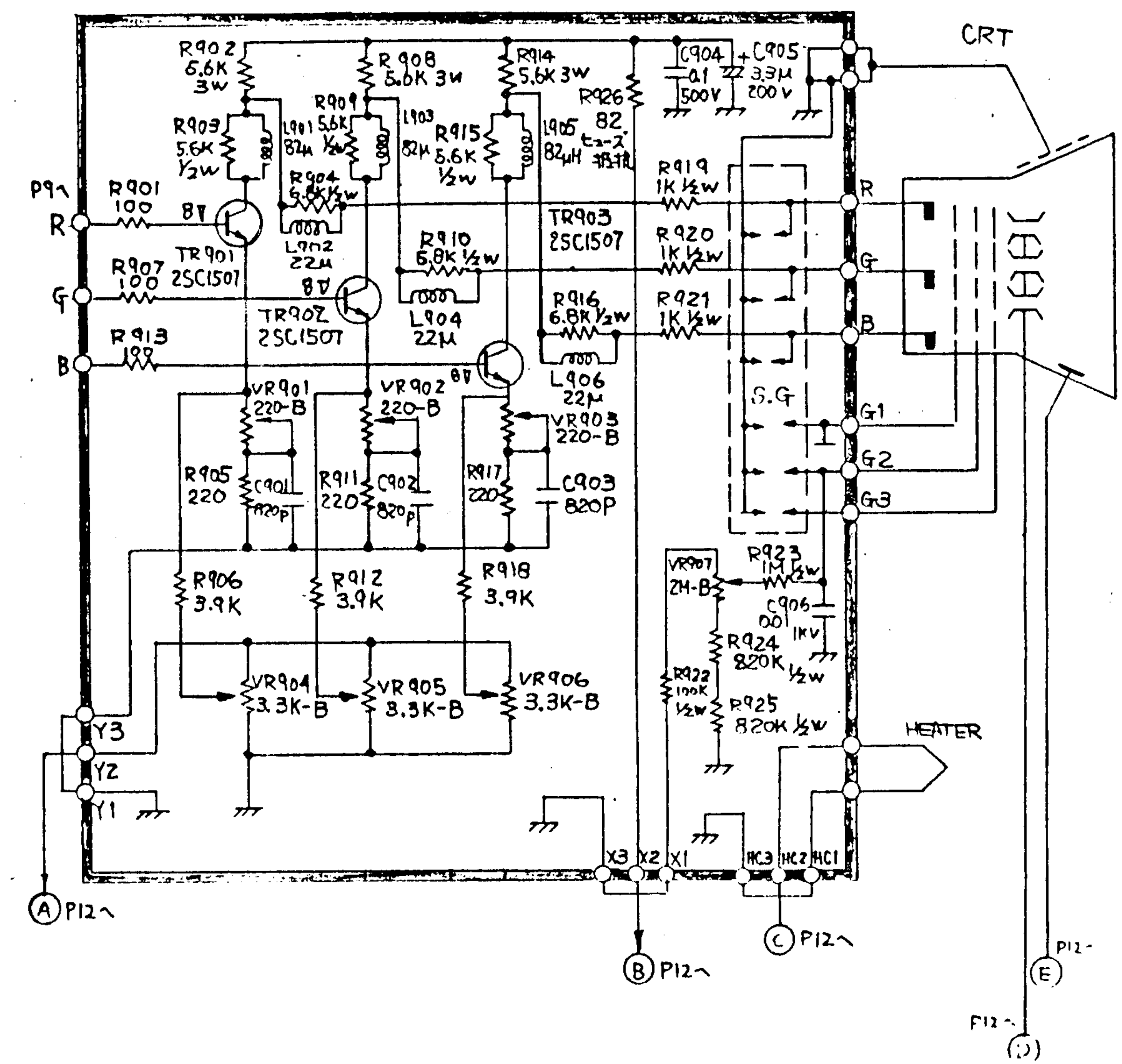
SIZE A2 — DWG. NO. RTN00004

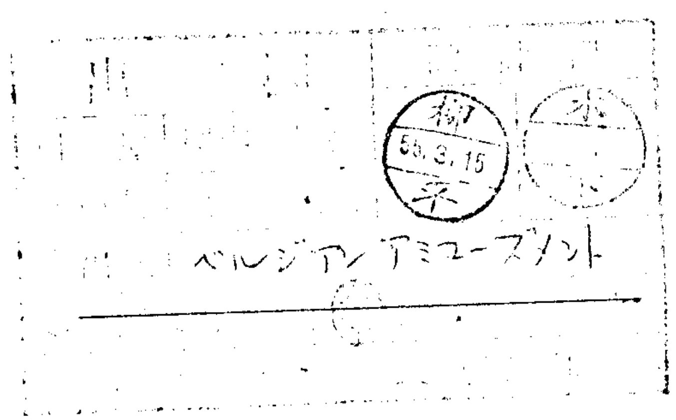
54.2.18

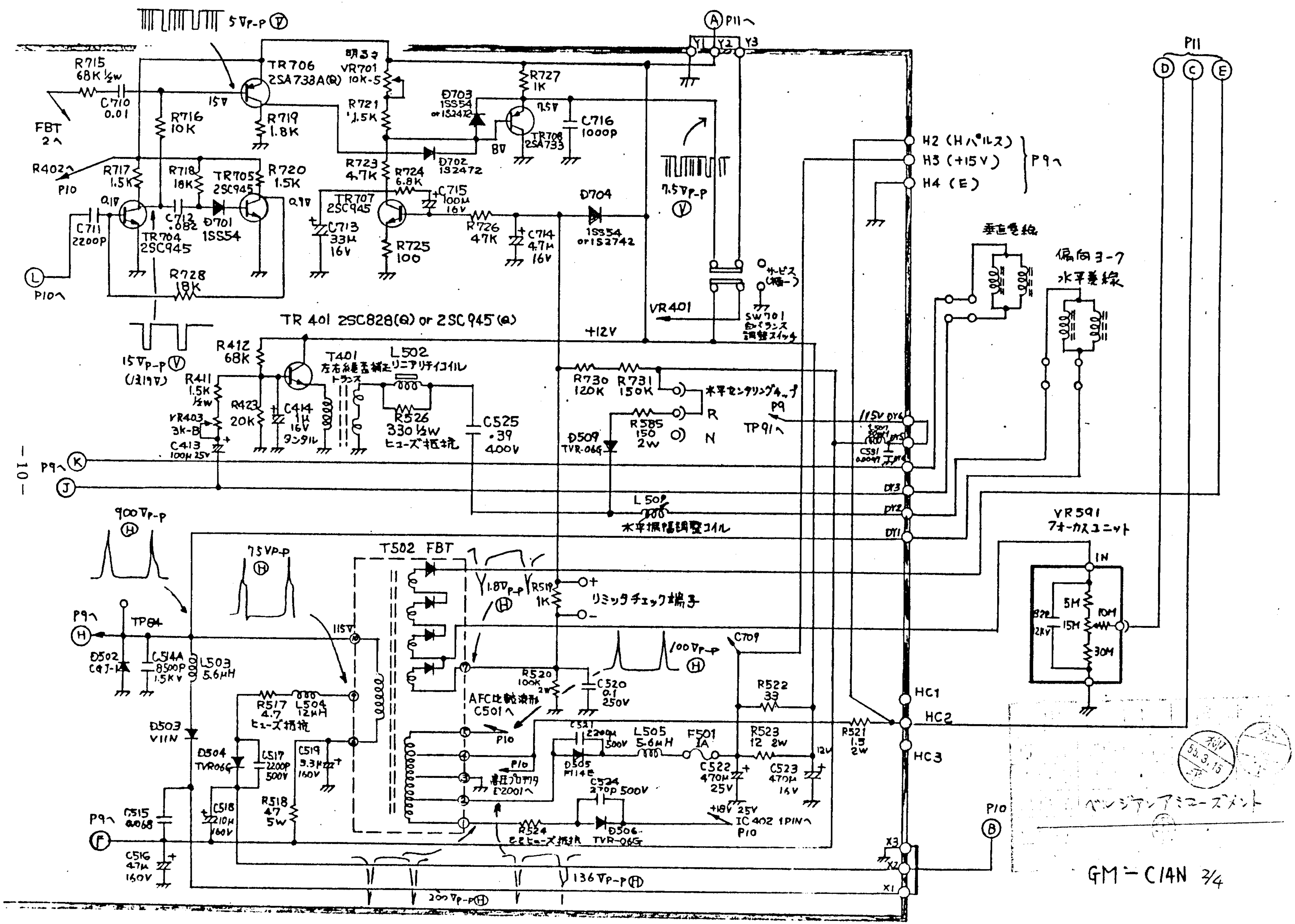
GM−C14N 1/4

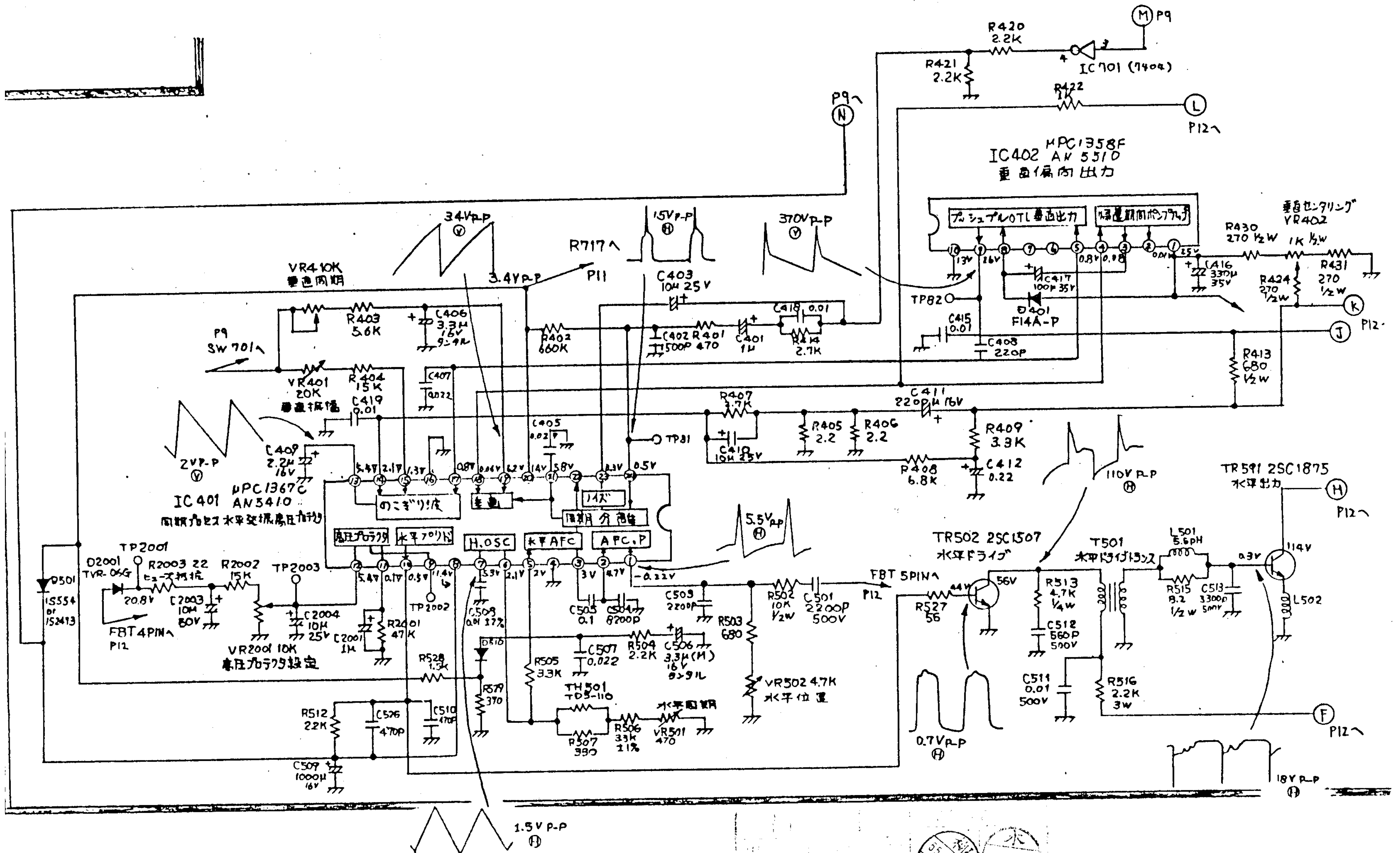
TR902, TR903, TR901 <コレクター>



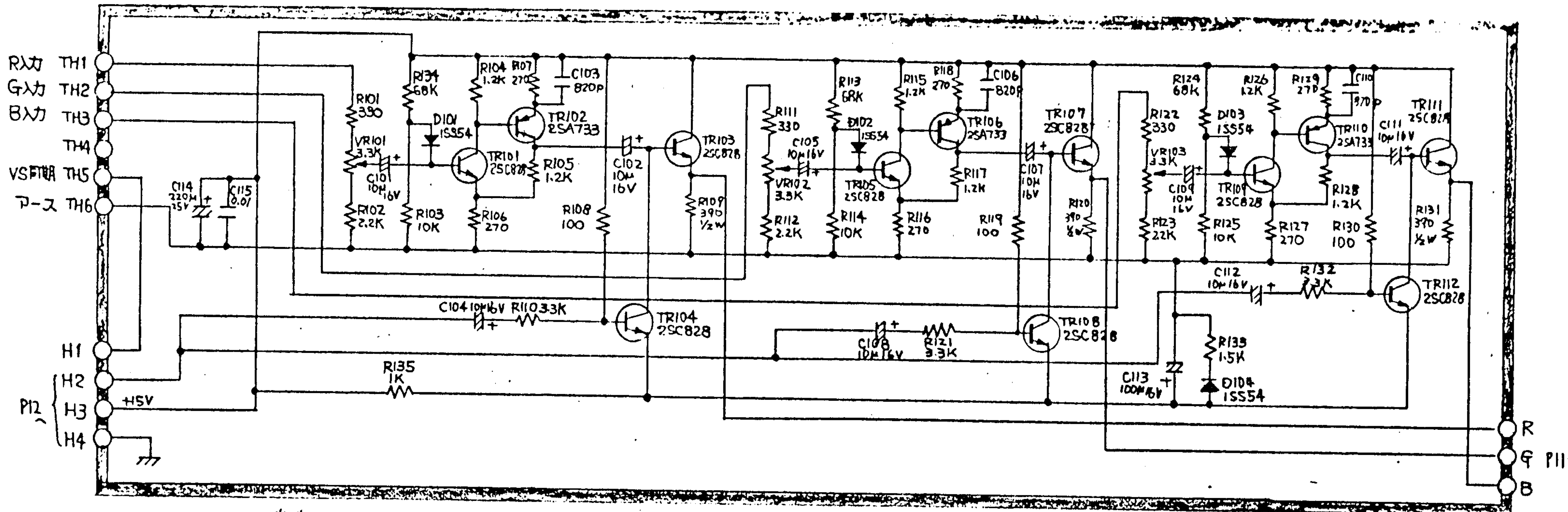


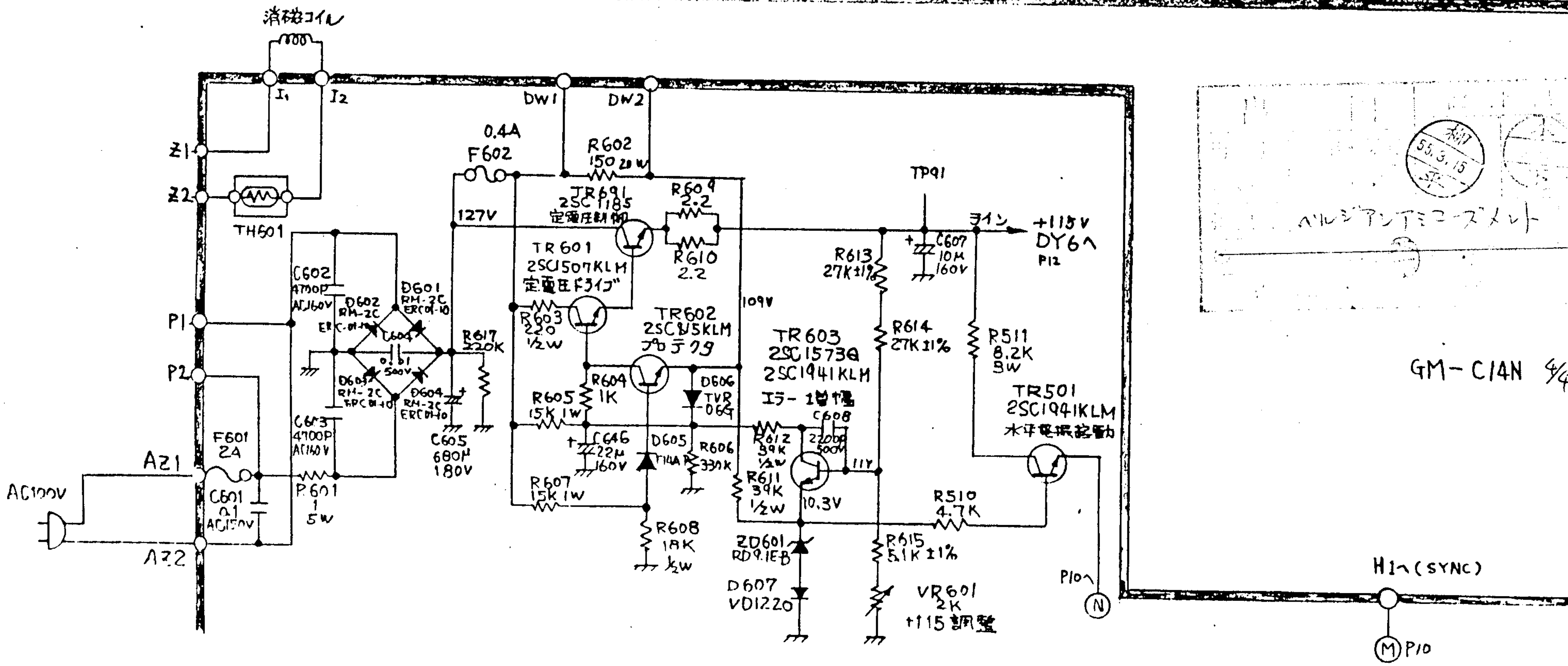



5Vp-p Ⓥ
TR706 2SA733A(Q)
明るさ VR701 10K-5
R715 68K 1/2W
C710 0.01
FBT 2へ
R716 10K
R719 1.8K
R721 1.5K
R727 1K
D703 1SS54 or 1S2472
TR708 2SA733
C716 1000P
R402へ P10
R717 1.5K
R718 18K
TR705 2SC945
R720 1.5K
R723 4.7K
R724 6.8K
D702 1S2472
C715 100μ 16V
TR707 2SC945
C713 33μ 16V
R725 100
R726 47K
C714 4.7μ 16V
D704 1SS54 or 1S2742
7.5Vp-p Ⓥ
C711 2200P
TR704 2SC945
C712 .082
D701 1SS54
R728 18K
P10へ
15Vp-p Ⓥ
TR401 2SC828(Q) or 2SC945(Q)
R412 68K
T401 左右糸巻補正トランス
L502 リニアリティコイル
R411 1.5K 1/2W
VR403 3k-B
C413 100μ 25V
R423 20K
C414 1μ 16V タンタル
R526 330 1/2W ヒューズ抵抗
C525 .39 400V
VR401
SW701 白バランス調整スイッチ
サービス
+12V
R730 120K
R731 150K
水平センタリングタップ
R585 150 2W
D509 TVR-06G
R N
TP91へ
P9へ
L508 水平振幅調整コイル
Ⓐ P11へ
Y1 Y2 Y3
H2 (Hパルス)
H3 (+15V)
H4 (E)
P9へ
P11
Ⓓ Ⓒ Ⓔ
垂直巻線
偏向ヨーク 水平巻線
115V DY4
DY3 DY2 DY1
C591
VR591 フォーカスユニット
IN
5M 15M 10M 30M
900Vp-p Ⓗ
75Vp-p Ⓗ
T502 FBT
1.8Vp-p Ⓗ
R519 1K
リミッタチェック端子
TP84
P9へ
D502 CQJ-1
C514A 8500P 1.5KV
L503 5.6μH
115V
100Vp-p Ⓗ
C709
R520 100K 2W
C520 0.1 250V
AFC比較波形 C501へ
R522 33
HC1 HC2 HC3
R521 1.5 2W
D503 V11N
D504 TVR06G
R517 4.7 ヒューズ抵抗
L504 12μH
C517 2200P 500V
C519 3.3μ 160V
C521 2200μ 500V
L505 5.6μH
F501 1A
R523 12 2W
D505 F114E
C522 470μ 25V
C523 470μ 16V
高圧プロテクタ E2001へ
P10
C524 270P 500V
C515 0.068
C518 10μ 160V
R518 47 5W
R524 2.2 ヒューズ抵抗
D506 TVR-06G
+18V 25V IC402 1PINへ P10
P10 Ⓑ
C516 4.7μ 160V
X3 X2 X1
136Vp-p Ⓗ
200Vp-p Ⓗ
ベンジアンアミューズメント
GM-C14N 3/4


IC402 μPC1358F AN5510
垂直偏向出力
プッシュプルOTL垂直出力
帰還期間ポンプアップ
IC701 (7404)
R420 2.2K
R421 2.2K
R422 1K
垂直センタリング VR402 1K 1/2W
R430 270 1/2W
R431 270 1/2W
R424 270 1/2W
C416 330μ 35V
C417 100μ 35V
D401 F14A-P
TP82
C415 0.01
C408 220P
R413 680 1/2W
34Vp-p
15Vp-p
370Vp-p
3.4Vp-p
R717へ P11
VR410K 垂直同期
C403 10μ 25V
C418 0.01
R414 2.7K
R403 5.6K
C406 3.3μ 16V タンタル
R402 560K
C402 1500P
R401 470
C401 1μ
P9 SW701へ
VR401 20K 垂直振幅
R404 15K
C407 0.022
C419 0.01
R407 2.7K
C411 220μ 16V
R405 2.2
R406 2.2
R409 3.3K
C410 10μ 25V
R408 6.8K
C412 0.22
C405 0.02
TP81
C409 2.2μ 16V
2Vp-p
IC401 μPC1367C AN5410
同期プロセス 水平発振 高圧プロテクタ
のこぎり波
垂直
ノイズ
同期分離
高圧プロテクタ
水平プリドライブ
H.OSC
水平AFC
AFC.P
5.5Vp-p
110Vp-p
TR591 2SC1875 水平出力
TR502 2SC1507 水平ドライブ
T501 水平ドライブトランス
L501 5.6μH
R515 8.2 1/2W
C513 3300P 500V
L502
R513 4.7K 1/4W
C512 560P 500V
C511 0.01 500V
R516 2.2K 3W
R527 56
FBT 5PINへ P12
TP2001
D2001 TVR-06G
R2003 22 ヒューズ抵抗
R2002 15K
TP2003
C2003 10μ 50V
C2004 10μ 25V
FBT4PINへ P12
VR2001 10K 高圧プロテクタ設定
D501 1S554 or 1S2413
C2001 1μ
R2001 47K
TP2002
C508 0.01 17%
D510
C505 0.1
C504 8200P
C503 2200P
R502 10K 1/2W
C501 2200P 500V
R503 680
VR502 4.7K 水平位置
C507 0.022
R504 2.2K
C506 3.3μ(M) 16V タンタル
R505 3.3K
R528 1.5K
R529 390
TH501 TD5-110
R507 390
R506 33k ±1%
VR501 470 水平同期
R512 2.2K
C526 470P
C510 470P
C509 1000μ 16V
0.7Vp-p
18Vp-p
1.5Vp-p
P12へ

GM-C14N 3/4





GM-C14N 4/4

ベルジアンアミューズメント